

THE

JULY, 1951

Carolina Farmer



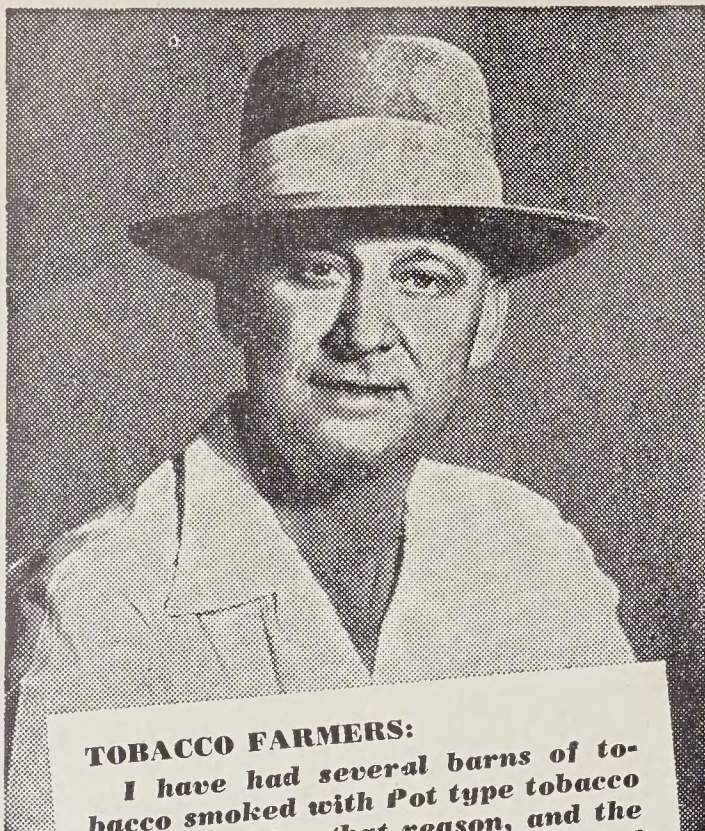
PLAN FARMSTEADS FOR PROFIT . . . By J. W. WILKINS

PEANUTS: FROM ANCIENT PERU TO CAROLINA . . . By GROVER L. HARRELL

I'D LIKE TO SEE THE MANAGER . . . By "NICK" NICHOLSON



OFFICIAL **R&A** MAGAZINE

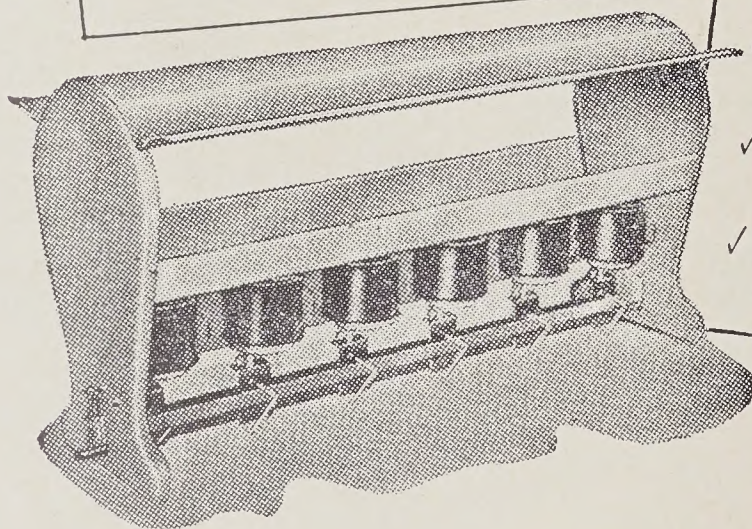


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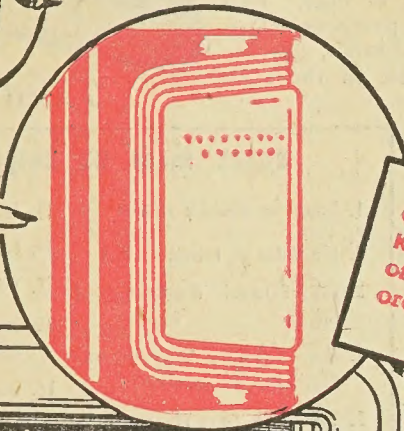
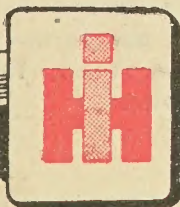
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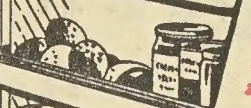


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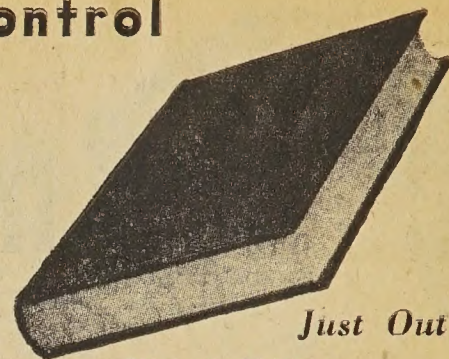
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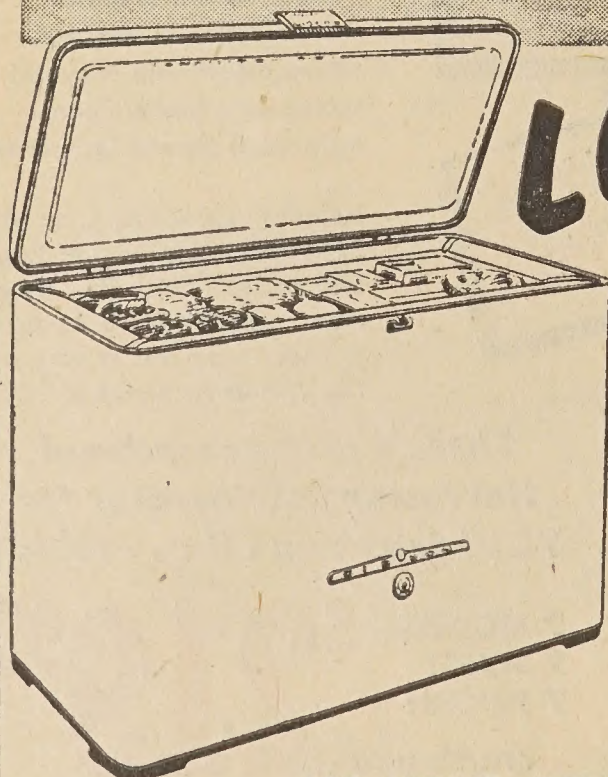


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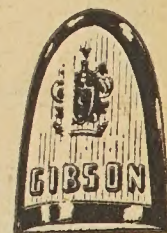


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WATT'S COOKING

By NICK and the STAFF

CONTENTS

TELEPHONES . . . During the "swearing in" ceremonies for members of the REA board in Governor Scott's office last month the matter of rural telephones was given a "prod." Governor Scott pointed out that by far the largest amount of mail received by him was from rural people seeking telephone service. "With the appointment of Mr. Walter Fuller to the staff of the state's REA and the further co-operation of the Bell System it looks like real progress will be realized soon," said the Governor. He further suggested that farm people who want telephones should continue to let their needs be known. "Worry everyone who might be in a position to help until it is easier for them to build telephone lines than listen to you complain, advised the Governor.



"Nick" Nicholson

Progress has already been made in the formation of Rural Telephone Cooperatives financed by the Rural Electrification Administration. The real problem may lie in the areas now served by existing telephone companies where a telephone co-op can not be formed.

MULTIPLE-USE OF DAMS . . . A great need for public education was cited by Governor Scott in the matter of Multiple-Use Dams being constructed. The hugh "Buggs Island Dam" is being built for the purpose of flood control, electric generation, recreation and general conservation. Because power will be generated by this dam, power companies in North Carolina and Virginia have opposed it all the way. The latest result of the concerted action of these power companies, acting through their powerful "lobbyist" in Washington has been to deny the people of Eastern North Carolina the right to purchase the power generated at this dam. This was accomplished by the abolishment of federal funds with which to build the necessary lines to carry the power to metering points in North Carolina. This action was taken last month by the power lobby dominated house of representatives who had as their able leader and advisor one, Harold Cooley.

The influence of Harold Cooley did not reach the Senate Appropriations Committee, however, and it now looks like someone has had the nerve to vote for the people and against the power lobby. Senator Hayden (D-Ariz) has announced that the Senate committee has decided to provide at least some of the funds choked off by the house. \$350,000 was put back for the purpose of building a transmission line to South Carolina where the REA co-ops have a strong state association and can fight for their rights. \$24,000 was for a preliminary survey of a possible line from Buggs Island to Eastern North Carolina. Now that Senators from other states have given us a chance to again obtain low cost electric power through our co-ops its again up to us. The fight is not over and can still be won if we all pull together . . . Let your Senators and Representatives know that you want more and cheaper power for North Carolina.

THE CAROLINA FARMER

Volume VI

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Number 7

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OUR FRONT COVER

Important ceremonies were held in Governor Scott's office late last month. D. E. Purcell of Reidsville and Dr. S. H. Hobbs, Jr., of Chapel Hill were reappointed to serve four year terms on the important N. C. Rural Electrification Authority board. Cutlar Lee Ballance was appointed to fill the unexpired term of T. W. Allen. Shown left to right on our front cover, they are: Gwyn B. Price, chairman of the NC REA board, Dr. Hobbs, Cutlar Lee Ballance, D. E. Purcell, Thad Eure, Secretary of State, and Governor Scott.

The Carolina Farmer

Dedicated To Better Rural Living

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STAFF

J. E. Nicholson, President and Editor
York Kiker, Woman's Page
Lucile Hart, Circulation Manager

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MAIL



BOX

JACKSON HILL . . . Farmers appreciate what REA has done and is doing for rural living today. When I grew up, we did not have good roads, electric lights and the many things we enjoy today. Now we have good roads (thanks to Governor Scott) and electricity. In fact we can have any and all the conveniences that the city offers now, thanks to our REA financed co-op.

We want to say that we appreciate what has been done for the farmers. THE CAROLINA FARMER is a wonderful means of drawing farm people together and where there is cooperation more can be accomplished. But we DO NEED better telephone service. Our lines are down for days and days at a time. Right now we have not been able to get the operator for four days. In that time an ambulance had to be summoned and

a doctor located, calls had to be made about patients in hospitals. To do this it was necessary for someone to make a trip to Denton to put in the calls.

So the people of Denton and surrounding rural areas are interested in telephones financed by REA. How about it?? Is that something for the future or can it be done now?? We still have the "crank" telephones on the wall.

We want you to know that we appreciate our cooperative and THE CAROLINA FARMER. If there is any way that we can be of help, please call on us.

Mrs. Jewell Spell

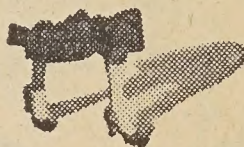
LEXINGTON . . . I like THE CAROLINA FARMER and the flexible soft cover makes it handy. When we finish reading it we can roll it around a clothes hanger and prevent our pants and skirts from being creased, or wrinkled.

Here is a suggestion for your readers . . . Keep a tube of tooth paste in the kitchen. If you burn yourself just apply to the burn and you will be amazed at how quickly you will be relieved.

Your Carolina Farmer friend . . .

Mrs. Benjamin Snider

Think how much Time
it takes to GO . . .



HOW LITTLE TIME IT TAKES

TO PHONE!

If you kept account of the times when a quick telephone call saved you a trip, to town, across town or down the street, chances are they'd add up to hours saved in a single day . . . to say nothing of saving transportation costs.

Yes, there are so many things you do by telephoning instead of going—arranging meetings, appointments and purchases . . . rounding up the children when they're at play in the neighborhood. And what a difference it makes in getting things done, and in gaining leisure to spend with family and friends.

In Southern homes, the telephone stands ready 24 hours a day to run errands, receive calls and give protection in case of emergency . . . for an average charge of less than one-half cent an hour. You bet it's a bargain!

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CAPITAL CHATTER

By
**SCOTT
SUMMERS**

Raleigh—From Washington comes a report that all REA coops should read and take notice.

It is to the effect that an attempt to put three and one-third per cent tax on revenues of federal, state and municipal power systems is considered merely "a foot in the door" by private power companies and their lobbyists.

REA is specifically exempt under the three and one-third proposal (which may have been either passed or killed by the time you read this).

But Private Power's Number One Lobbyist Purcell Smith admits that he and his associates would like to put the tax on REA coops as well as TVA.

Not only that, but Lobbyist Smith openly advocates—on behalf of private power—the addition of income taxes as well to the non-profit coops.

To reach this goal the private power companies—through the Edison Institute and individually and collectively—are spending huge sums lobbying your congressmen.

Meantime, the REA coops and their state associations seem to be sitting idly by, doing little if anything to protect their present standing. They either don't seem to be aware of the fight against them, or else they must not care what happens. Some folks are beginning to wonder if the only thing the coops are interested in isn't merely being able to turn on the lights every evening when it gets dark.

If that's all they want, they can just sit around and kiss REA and the coops goodbye. But, if they want to protect what they have and improve their situation they'd better quit their pretty bickering and get together with a counter-attack.

FOOD FOR THOUGHT

Wonder if you ever thought about this.

If the REA coops hadn't been buying so much power from Carolina Power and Light Company, it's very likely that there would have been no necessity or desire to build the big CP&L steam electric generating plant at Goldsboro.

COOP BANK?

There's talk among some prominent farmers of setting up a Farmers-Cattlemen Cooperative Bank. Seems as though it's pretty tough to get a loan to purchase cattle—at least if you're trying to get the loan from one of the State's larger banks.

So some of the top farmers have an eye on entering the banking business on a cooperative basis. Main aim would be to keep loan costs down on a non-profit basis, in an effort to make loans to farmers wanting to go into the beef and dairy cattle business.

Many farmers have planned permanent pasture with this in mind, but have gotten the fisheye from the banker when they went in to borrow a few bucks to buy the cattle.

Thus, the Coop bank idea was born. Folks reportedly are investigating the possibilities now to see what can be done.

GOVERNOR'S RACE

Latest lineup on the potential candidates for the 1952 governor's race is about like this:

Kerr Craige Ramsay of Rowan being backed strongly by arch-conservatives; Bill Umstead of Orange losing ground; Brandon Hodges doing the same; Thad Eure mighty quiet, Hubert Olive of Lexington and Irving Carlyle of Winston-Salem as possible dark horses; Capus Waynick neither in or out of the running; some talk that Thurmond Chatham would like to go higher than repre-

sentative, either to the governor's chair or to the Senate, replacing Clyde Hoey.

Meantime, there is an increasing amount of talk around the state that Fred Royster of Vance—who lost out in the House speakership race this year—will be a candidate for lieutenant-governor. Possible opponents mentioned include John Larkins of Jones, Frank Taylor of Wayne (who won the House speakership).

SEGREGATION

The biggest topic around Raleigh these days is segregation, and whether or not it will be broken down in our schools.

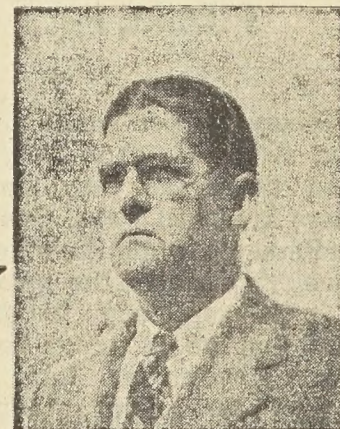
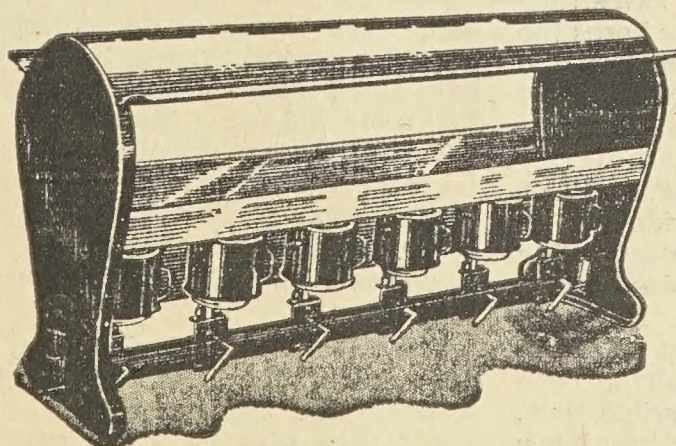
Governor Scott expressed the opinion that the Negroes themselves would be predominately in favor of keeping our public schools on the same basis as they are now when they study the situation.

Negro leaders mostly challenged this, claiming the only way they would get equality in schools would be to abolish segregation. But some leaders disagree, believing the Negro will be better off with the school system equalized but with Negro and white going to separate schools.

Meantime, some folks are trying to bring Charles B. Aycock, the great governor who started the public school system in the early 1900's, into the fight by claiming that he was against segregation. That's a joke. Aycock campaigned and was elected on a "white supremacy" platform. He bitterly opposed elimination of segregation but was an ardent fighter for equality of educational opportunities — SEPARATE educational opportunities.

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Improper planning produced a hodge-podge of poorly related buildings on this farmstead.

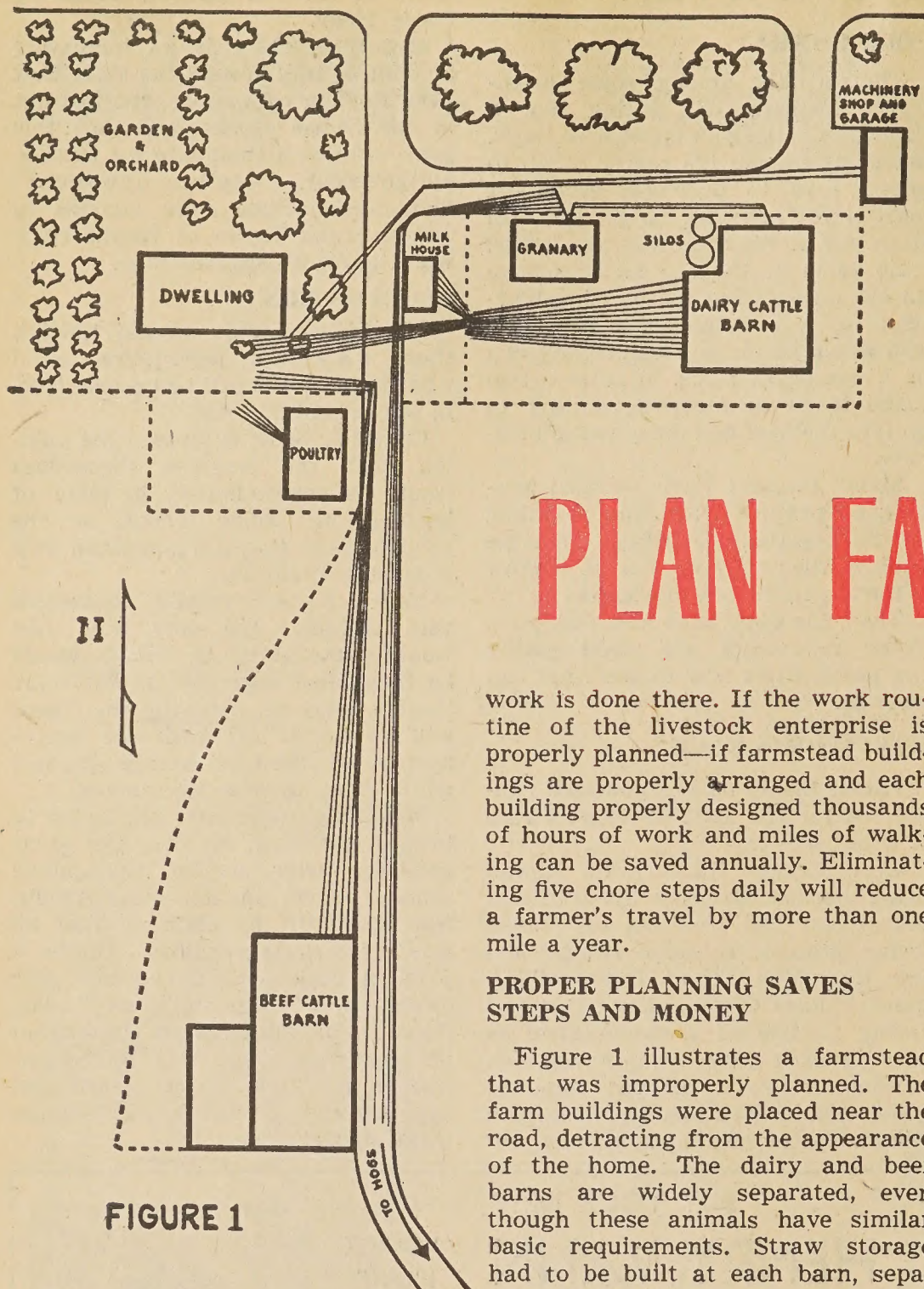


FIGURE 1

Every farmer wants to save time and steps—do chores the easy way. And there are easy ways just as there are hard ways. One saves time and energy, while the other keeps the farmer's nose to the grindstone.

It is especially important right now that we do things the easy way. Our government has asked the farmer for all-out production. This comes in the face of a farm labor shortage, with young men being called to the Army and older people migrating to war plants. It means that farm operations must be so arranged that every job can be done efficiently in the least possible time.

One of the main places where labor can be saved is around the farmstead. About one-half of all farm

work is done there. If the work routine of the livestock enterprise is properly planned—if farmstead buildings are properly arranged and each building properly designed thousands of hours of work and miles of walking can be saved annually. Eliminating five chore steps daily will reduce a farmer's travel by more than one mile a year.

PROPER PLANNING SAVES STEPS AND MONEY

Figure 1 illustrates a farmstead that was improperly planned. The farm buildings were placed near the road, detracting from the appearance of the home. The dairy and beef barns are widely separated, even though these animals have similar basic requirements. Straw storage had to be built at each barn, separate water systems were necessary, and corn was never conveniently available for the beef cattle.

Arranging the operations of the dairy and beef cattle enterprise around a general purpose barn would have saved many dollars in construction costs and many chore steps.

Part of the implement shed is used for a garage. Each time the car is needed, some member of the family has to take about 120 unnecessary steps—over 20 miles of walking a year.

The milkhouse is 200 feet from the dairy barn. The approved six feet between the milkhouse and barn would save 154 feet every trip. At 60 cents an hour the time taken to make these steps cost more than \$75

annually, and to lose this money the farmer walked more than 107 unnecessary miles.

These are just a few of the costly mistakes proper planning would have eliminated. Studies made on the farm show the least daily travel made between buildings (indicated by black line in Fig. 1) is about four miles. This is over 1,300 miles each year, and part of the time the farmer carries a basket of feed.

And this is not an isolated example. You can probably find several farms in your area where the same haphazard method of planning was used.

PLAN FARMSTEADS

PLANNING TODAY FOR THE FUTURE

The farmer is faced with two basic problems.

1. How to get the most out of his present farmstead this year.
2. How to obtain a more efficient farmstead in future years.

Actually, the answer to these two problems must be worked out at the same time. Year-by-year planning has resulted in many of our poorly planned farmsteads of today. Current planning should be based on future needs. This requires a long range farmstead re-planning program.

The first step is to make a sketch of the present farmstead. Using graph paper, lay out all the buildings on the farm to scale. Show distances between buildings, the farm court, lanes to fields, and any other pertinent information. Then put the chore route on this layout. Many of the places where steps could be cut will be obvious.

In analyzing a layout and developing a farmstead plan, certain general rules should be followed.

SUGGESTIONS FOR GOOD FARMSTEAD PLANNING

1. Develop a farm court with buildings arranged around the court. All buildings should have entrances opening to the court. This eliminates walking through muddy yards and opening gates. Buildings should be arranged around the court for circular travel to eliminate back tracking and dead-end trips.

2. Make the farm home the center

of attraction with a nice lawn and farm buildings in the background.

3. Place the implement shed relatively near the house, especially when it houses the farm shop and possibly the family car. The shed should not conceal the view of the service yards from the dwelling, and should be close to lanes leading to fields. Provide an ample service yard for easy movement of implements to and from the shed.

4. Place the beef and/or dairy cattle barn so that prevailing winds blow odors away from the dwelling. It should be at least 150 feet away from the house. Livestock openings should be to the rear of the court.

9. The entrance driveway should have a wide approach with clear vision of the highway and ample parking space for visitors.

10. All sites should be well graded to provide drainage away from the buildings, well-service yards and feed lots. If the soil drains poorly, save troughs and downspouts should be connected to the tile lines. Walks, aprons and feeding floors should be well drained and concreted to prevent muddy conditions. It is especially important that feed lots be free from mud. Cattle not only fail to gain weight but often show losses when lots are muddy and in poor condition.

DETERMINE THE CONDITION OF EXISTING BUILDINGS

With these points in mind the farmer can start planning. Determine the condition of present buildings. It would be unwise to tear down buildings that are structurally sound, even if they are not properly located. However, plan where you want these buildings on your new layout. The need may come sooner than you expect. A fire could destroy the building. Chances are that in the rush to get a replacement building the farmer will wind up with the same structure unless it has been well planned in advance.

There are many "granddad" buildings on farms today—designed for practices of 40 years ago when mechanization was little known. They are outmoded, expensive, and should be replaced. An antiquated building is just as expensive as a 1920 tractor. Consider the possibility of moving

See FARMSTEADS on Page 22

FOR PROFITS

By J. W. WILKINS

Agricultural Engineer,
Market Development Division,
Armco Steel Corporation

5. Since from 40% to 80% of all work with beef and dairy cattle is done in and around barns, all buildings and storage rooms used for the livestock enterprise (grannary, hay storage, milkhouse, etc.) should be arranged conveniently near the cattle barn. These buildings should be easily accessible from the farm court for truck, tractor, or for the farmer himself.

6. It is recommended that the hog enterprise be at least 200 to 225 feet from the house and outside "odorage" (preferably to the east and southeast). Feed should be easily accessible. The cartwheel housing arrangement shown in Figure 2 makes it possible to feed sows and gilts easily from one general location which means that chore time can be greatly reduced.

7. The poultry house should be convenient to the dwelling, preferably to the rear where it can be seen from the kitchen. It should not be prominent. The lot and house should be at least 125 feet from the dwelling and fenced to keep the poultry confined.

8. Gardens should also be located near the house and open to plowing and cultivating equipment. Windbreaks and orchards should be north and west of the house. Set aside enough area for orchard development.

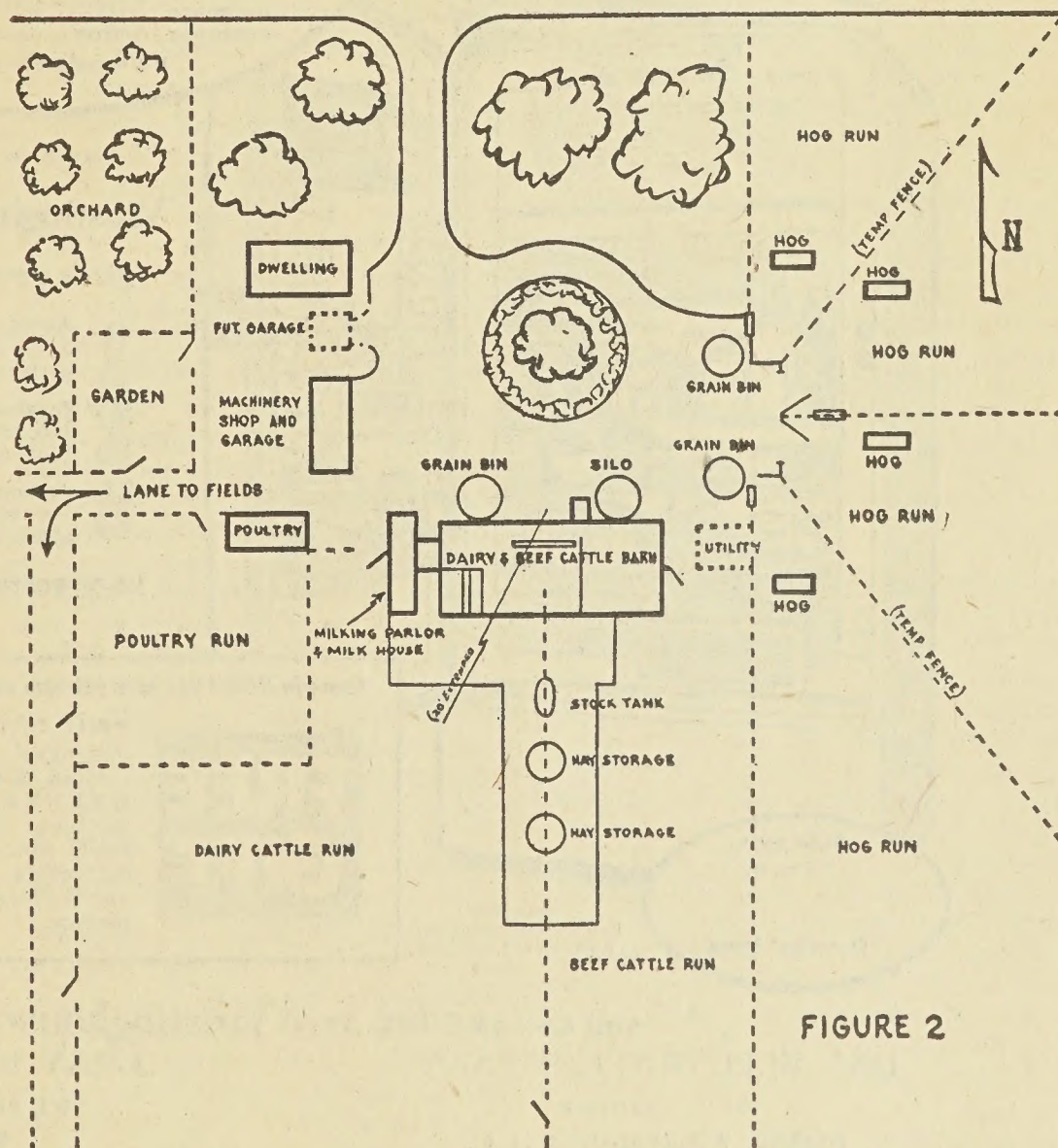


FIGURE 2

Here is a compact arrangement of buildings for better working efficiency. Fire is not a hazard because the buildings are made of steel. With the livestock yards to the rear of the farm court, the front presents a neat appearance from the road.

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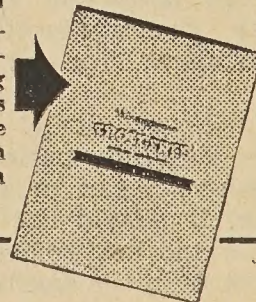
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We have an insulated KOLD-KEEPER bag for you. Keeps foods cold while defrosting, when shopping, on picnics.



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PEANUTS: FROM ANCIENT PERU TO CAROLINA

By GROVER L. HARRELL

Electrification Advisor,
Roanoke Electric Membership
Corporation

Believe it or not but it is estimated that the American public crunches up about \$100,000,000 worth of salted peanuts every year. This staggering sum of money is tossed over retail counters by Mr. and Mrs. Average Citizen who probably never gives a thought to the lowly peanut, its culture and its fascinating history.

Peanuts, or goobers as they are sometimes humorously called, were grown originally way down south of the border. The lush climate of the Latin American countries from Panama southward seemed exactly right for the peanut to grow and flourish. However, they do grow in all tropical and semi-tropical section throughout the world. The plant is a hardy species and does very well even in temperate zones.

Archaeologists tell us that peanuts were discovered in the ancient burial tombs dotting the towering mountains of Peru. From this evidence, they conclude that the peanut was known and used centuries ago. Historians report that early Dutch trading vessels brought huge stores of peanuts to Rotterdam where they crushed them into oil and meal to be used as barter. India and China have produced peanuts for oil and meal for numberless years.

NUTRITIOUS

Back in Colonial days the peanut was re-introduced in America. Slave runners, plying their nefarious trade in the waters off our Eastern seaboard, soon learned that their pitiful cargo of humanity fared much better when nourished with a plentiful supply of raw peanuts from the ship's hold. Peanuts, they found, could easily be stored and doled out to supplement the slave's meager rations.

Colonial planters, long masters of tobacco and other crops, began experimenting with the peanut. They found the soil of their thousand-acre plantations ideally suited for cultivating peanuts. With the opening of commercial markets on an ever widening scale the practice grew and spread. There was money in peanuts. Today volumn production is carried on in Virginia, North Carolina. Geor-



Stacks of peanut vines are fed into thresher—peanuts are picked off, and the hay baled—This scene, near Williamston, will be repeated in November.

gia, Florida, Alabama, Mississippi, South Carolina, Texas, Oklahoma, New Mexico, and Arkansas.

Bringing the story closer home it is interesting to know that North Hampton County is the Tar Heel State's leading peanut producing county. It is that section's top money crop, particularly in areas where little or no tobacco is grown. Halifax and Bertie Counties follow in second and third respectively.

However the yield per acre in North Hampton last year was only 1150 pounds which is poor compared to the normal average. Some farms harvest from 2000 to 2800 pounds per acre. Last year, for example, 37,716.5 acres were allotted for peanuts, however, 40,709.3 acres were actually planted. The difference of 2992.8 acres were sold as oil peanuts only. The total allotment for the county this year has been set at 39,837.3 acres which is an increase of 2120.8 acres over last year's allotment.

RICH IN PROTEIN

Peanuts are popular as a food product since they are very rich in proteins, a vital substance necessary for body maintenance and repair. Peanuts also contain a large percentage of fat and vitamin B and can be substituted for meat. As everyone knows, they are wholesome, healthful and appetizing. Strangely enough, however, the place of salted peanuts in the diet of America has only recently become fully recognized. Too many

people have the erroneous impression that peanuts munched at baseball games, bridge parties and the movies are merely delicacies. Actually, aside from their delicious flavor and universal appeal peanuts are a "power-house" of food energy and food value. The use of peanuts as a food in this country—minor as it is—nevertheless is in sharp contrast to most other parts of the world. Other countries look upon the lowly peanut merely as a source of meal and oil, disregarding altogether the enormous nutritive value packed in the wrinkled shell of the dusty little nut.

SUCCESS STORY

One of the members of our co-op has turned the peanut into a handsome little business enterprise which she conducts from her kitchen. Back in 1927 Mrs. W. T. Eure of Halifax began putting up salted peanuts which she peddled to small storekeepers in her home town. The modest little business, or hobby as Mrs. Eure likes to call it, expanded through the years. She added canning equipment sometime ago and many of her friends sent sealed cans of salted goobers to servicemen overseas during the last war. As Mrs. Eure puts it. "The quality of my peanuts is my own best advertisement."

Today Mrs. Eure, operating on a little bigger scale, produces about 40-dozen bags of salted peanuts a week from her home which, incidentally, is

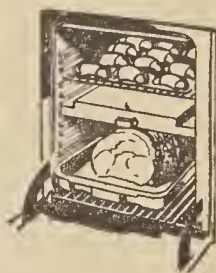
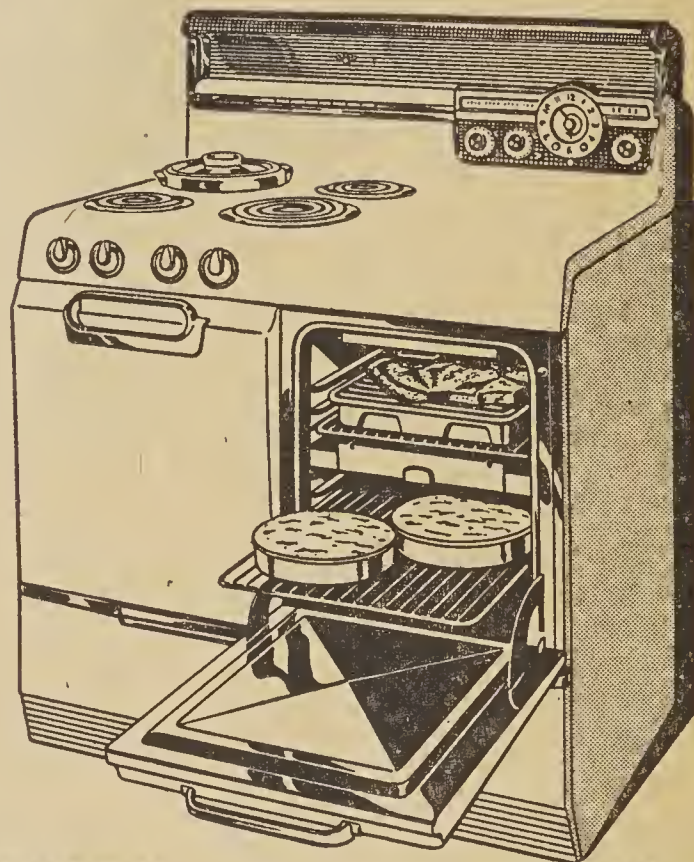
See PEANUTS on Page 19.



Simplify meal-making with the new **FRIGIDAIRE** "Wonder Oven" Electric Range

HERE'S THE ELECTRIC RANGE you've been waiting for. A range that gives you the convenience and time-saving features of double-oven cooking—in a single "Wonder Oven"! Yes, in Frigidaire's exclusive "Wonder Oven" you can bake and broil in the same oven at the same time! Roast meat in one oven at one temperature, while baking rolls or potatoes in the other oven at a different temperature. For the "Wonder Oven" can be used as *two* ovens, each with its own heating units and automatic controls—or, in just a few seconds, it becomes one extra-large oven.

Other features include Radiantube Cooking Surface Units, Cook-Master Oven Control, two-speed electric Time-Signal and Triple-Duty Thermizer Cooker.



You actually have two separate ovens when the movable Divider heating unit is in the center position. But for most of your baking and roasting, you'll use just the upper half of the Wonder Oven—which saves on current.

When you have an unusually large roast or a lot of baking to do, simply move the Divider heating unit to its bottom position. Then you'll have one oven nearly twice as large—big enough to hold a 30-pound turkey!

There's a Frigidaire Dealer near you. See him next time you're in town. Or write Frigidaire Division of General Motors, Dayton 1, Ohio.

Frigidaire reserves the right to change specifications, or discontinue models, without notice.

FRIGIDAIRE Home Appliances

Refrigerators • Electric Ranges • Automatic Washer • Electric Ironers
Food Freezers • Electric Dehumidifier • Electric Water Heaters
Automatic Clothes Dryers • Air Conditioners

Simplify food-keeping with these brilliant new Frigidaire Appliances

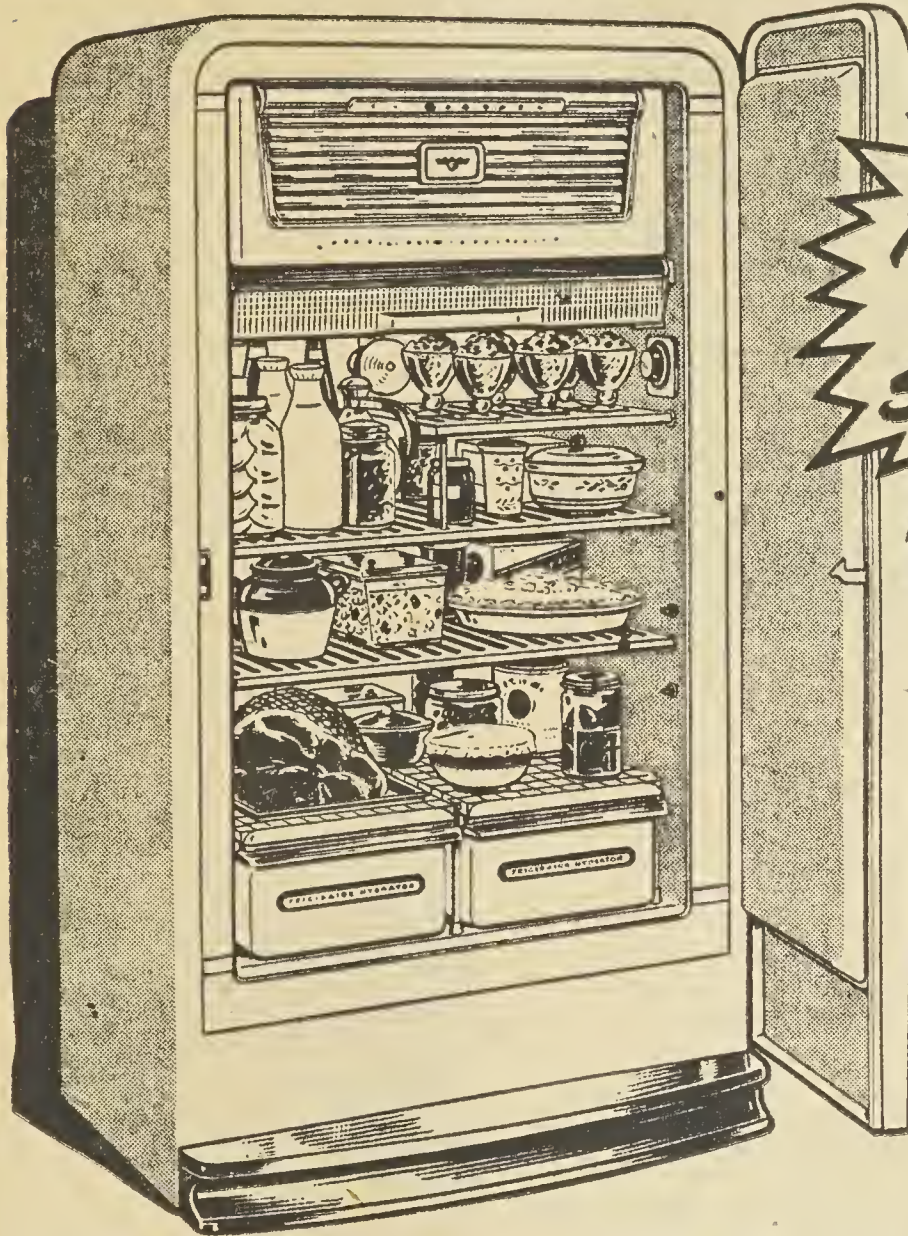


New Master Model MO-81 has total capacity of 8.1 cu. ft. Full-width Super-Freezer Chest holds 41 lbs. of frozen food. Has full-width Chill Drawer, aluminum shelves that can't rust, large-capacity twin Hydrators, new spring-powered door latch, one-piece cabinet construction. *Made for once-a-week shopping!*



Frigidaire Food Freezers in several sizes, safeguard your frozen foods for months on end. All models have Frigidaire's Sealed-Tight cabinet construction, sliding Storage Baskets, counter-balanced tops, interior light and are powered by the world-famous cold maker, the Frigidaire Meter-Miser.

3 NEW FRIGIDAIRE MODELS



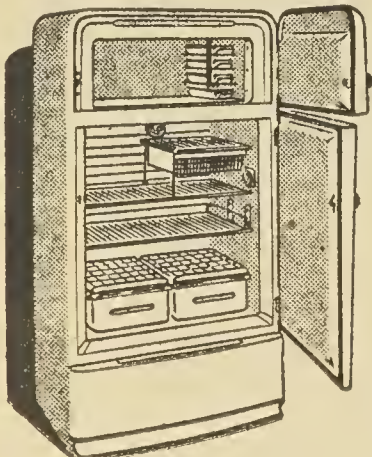
**MADE
FOR ONCE-
A-WEEK
SHOPPING!**



Now you can have a refrigerator that lets you decide when to shop. Perhaps it's a day when stores are less crowded—parking is simpler, shopping's more leisurely. Whatever day you choose, you have the assurance that your Frigidaire Refrigerator will give you plenty of space—and the right kind of cold—for keeping all your foods safe from one shopping trip to the next. Shown here are representative models of Frigidaire's complete line.

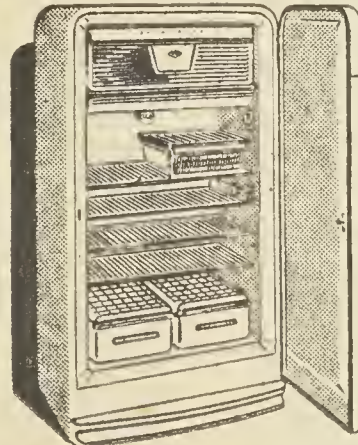
◀ **FRIGIDAIRE MASTER MODEL—MO-81** gives you 8.1 cu. ft. of storage space. Its full-width Super-Freezer Chest holds over 41 lbs. of frozen foods. You have 15.7 sq. ft. of shelf area and more space between shelves. Twin, stacking Hydrators give you moist-cold storage space for over 19 quarts of fruits and vegetables. Famous Meter-Miser mechanism provides a constant flow of safe cold top to bottom.

Frigidaire reserves the right to change specifications, or discontinue models, without notice.



FRIGIDAIRE IMPERIAL MODEL

10-100—a new and different 10 cu. ft., 2-door refrigerator—gives you *three* kinds of cold, each with its own refrigerating system. Food-Freezer Cold in Locker-Top, Super-Safe Cold in food compartment, and Super-Moist Cold in Hydrators. Truly, America's finest refrigerator!



FRIGIDAIRE DE LUXE MODEL

DO-107 has 10.7 cu. ft. of storage space, full-width Super-Freezer Chest with 49 lb. capacity, Cold-Wall Cooling in food compartment. Has all the latest food-keeping features including Frigidaire's exclusive Quickcube Ice Trays and the new, improved Meter-Miser mechanism.

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ELECTRICAL CONTRACTORS
"WE SERVICE WHAT WE SELL"
ELKIN, N. C. - PHONE 250

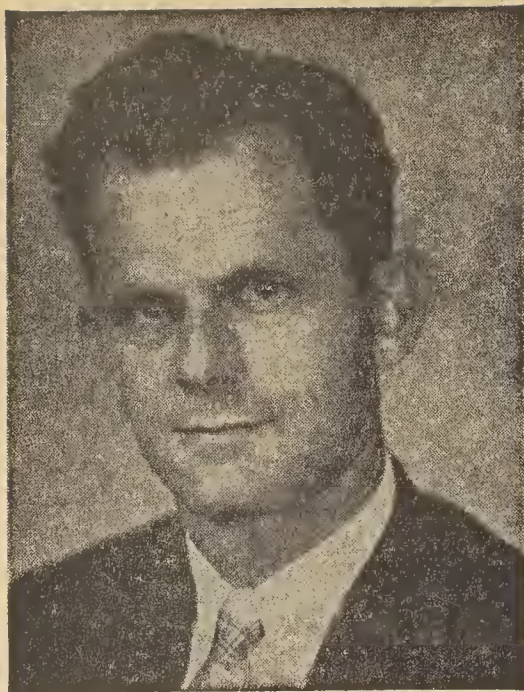
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THE CAROLINA FARMER



Heyward H. McKinney

Editor's Note—The 32 REA financed Rural Electric Membership Corporations in North Carolina are basically the same in their operation, but in many respects they differ from one another, especially in size, location and method of solving everyday problems. The jobs of the 32 co-op managers differ just as much. So, this is not about a typical REA co-op manager. It's about a day with Heyward H. McKinney, manager of the Pee Dee Electric Membership Corporation with headquarters at Wadesboro and a branch office at Rockingham.

Like other REA co-op managers, however, "Mack" represents the co-op to his members and his community and is the representative of his co-op to the other co-ops in the state. Our visit with him gave us a much better idea of what it takes to manage a cooperative rural electric distribution system. It's quite a job!

Visitors to the Wadesboro headquarters of the Pee Dee Electric Membership Corporation always stop in to see Heyward McKinney—not just because he is the co-op manager but because they like to see him and they know he enjoys seeing them. There's nothing formal about his welcome, for it goes a great deal deeper than a mere show of hospitality and comes from a man who really likes people.

Those who are lucky enough to catch "Mack" in his rare moments between jobs usually find themselves talking with him about current problems, for he is a good listener and a wise counselor. He can combine his knowledge of technical matters with his understanding of the "human equation" to point out solutions that sometimes escape the specialists.

This enthusiasm for people and their problems comes in handy in supervising co-op operations and keeping things running smoothly for Pee Dee's more than 6,000 members. "It works both ways," "Mack" says, "because there is hardly a problem that

or more of our members. Our biggest responsibilities, like control of costs and providing dependable service, are everybody's business. As a matter of fact, that is the sum total of my job—guiding people over the humps as best I can and co-ordinating all our efforts and know-how toward the teamwork that makes a co-op successful. It's quite a ball of wax when you consider all our operations and office jobs, budgets, standards, negotiations and relations with members and the community, interpretation of

comes up in our two offices that doesn't require the cooperation of one policies set by the co-op board of directors and the proper activation of those policies, as well as construction



Buying materials and supplies for co-op operation is a big job. Salesmen and electrical experts make the job a little easier. Shown above, Bill Barber, power apparatus specialist, helps McKinney solve a problem.

"I'd Like to See The V

People and Their Problems Wear Out Heyward H. McKinney's Telephone, and Fountain Pen. But That's the Way He Likes It

and maintenance of co-op lines and relations with the Rural Electrification Administration.

There's a never-ending pile of paper-work that goes with "Mack's" job, plus the continuous task of planning ahead farther than you can see and then revising long and short-range plans every time conditions change. "You have to be ready for anything from power interruptions to creeping meters," he told us, as special trips and meetings forced him to postpone our visit to Wadesboro, "but why not drop by next Tuesday (June 19th) and hope for the best?"

Tuesday morning we found "Mack" at his desk, going through a stack of mail. "Routine," he explained. "First thing every day I read all my mail and route a large part of it to co-op personnel—in billing, ac-



A new office machine is examined by McKinney as, left to right, Mrs. Barbara Huntley, Mrs. Hazel Dutton and Miss Ginny Ross look on.

counting, engineering, construction or legal departments—asking for special information required to answer each inquiry. When these reports come to me, I'll answer the letters. Meantime, you and I can get out in the co-op area and see what is going on today."

"Mack" set out like a man on a mission. For there is always something he wants to see and study in the service area of the co-op. Maybe it's a mechanical improvement, a change in working methods or an overloaded circuit, or any one of a

Manager" By "NICK" NICHOLSON

ney's Furniture,
es It . . .

hundred problems. Nearly always, it's something that "Won't keep" and only an emergency can keep "Mack" from his daily personal attack on these co-op problems.

Knows Co-op and People

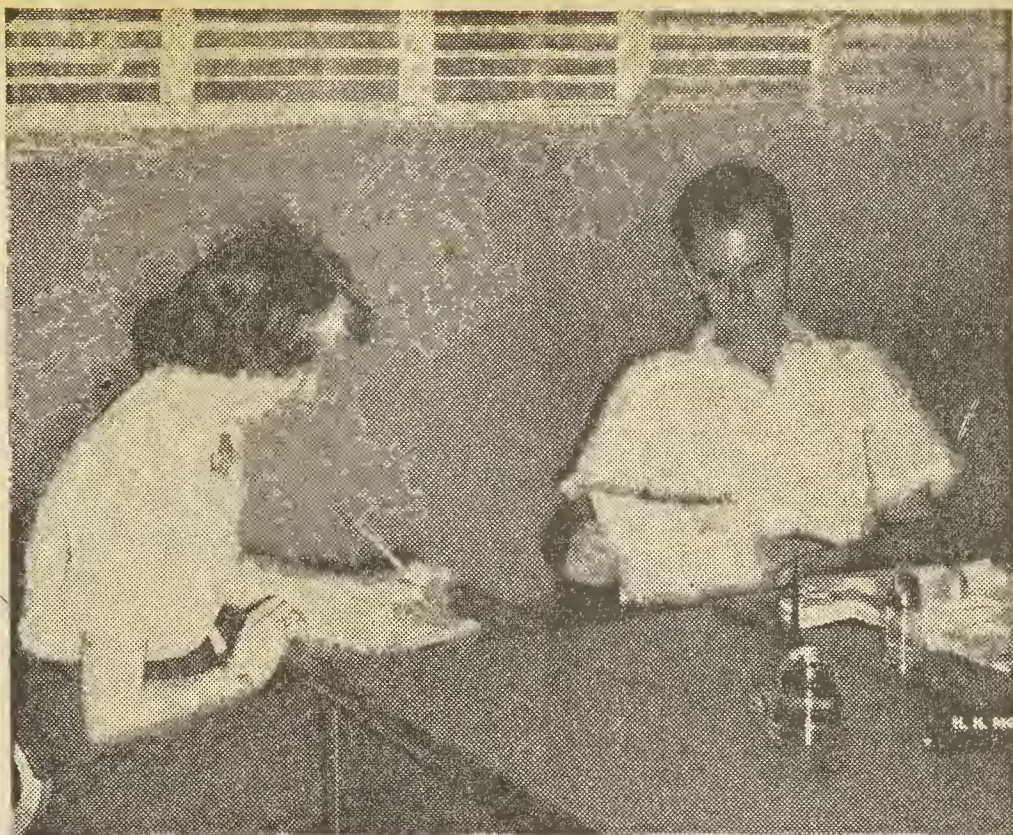
Regardless of his purpose on each inspection trip through the co-op



Pee Dee EMC's president W. C. Hall is interested in co-op activities. Above, McKinney finds him ready for a quick conference in his corn field.

area, "Mack" seldom misses anything—or anybody—on the way. His eleven years with the co-op, plus his training and background, power-use, construction, and cost control, have given him an expert knowledge of what it takes to make things tick. He has an eagle eye for details, including safety, housekeeping, and construction practices and operating procedures—that may be out of line.

Co-op members are as important to "Mack" as the co-op operation and he has learned to know many of them personally since his appointment as manager in 1946. As we follow him over the co-op service area, he has a word or a wave for everyone who is not too busy to respond. He stopped whenever possible to talk with members about their crops and their electric service. When "Mack" became



McKinney's busy day starts with a stack of mail. At the end of the day answers are dictated to Mrs. Rebecca Mums, shown above.

manager of Pee Dee EMC there were only about 2,700 members; now the total is over 6,000—a monument to progress and the aggressive action of a born leader.

June 19th was an unusually "free" day for "Mack," because there were no meetings or special events scheduled. Ordinarily he attends at least one meeting, such as:

Staff meetings

Safety meeting and Job training meetings

Co-op Board of Directors meeting
Meeting of REA state Association of Co-ops

Committee meetings of State Association of Co-ops.

Meetings with officials of REA in Washington

Civic Clubs, etc.

Several times a day there are visits from "suppliers." Electrical specialists who present their wares for "Mack's" inspection. "Seems as if somebody always wants to see the manager," reflected "Mack," checking a list of names. "I should be out in the co-op service area right now, looking over that new line under construction, but some of these people may have something very important to offer." "Mack" never misses a chance to discuss his problems with the representatives of manufacturers who supply the co-op. "Something new is always being developed in this business," said "Mack," and I don't

want to ever be too busy to find out about it." We left Wadesboro a little bewildered at the number and variety of "Mack's" activities, but we also had a better understanding of how a co-op manager spends his time. Apparently, modern methods of management have not made his day any shorter; they have just helped him to keep pace with a job that grows more complicated every year. He operates under a pretty tight schedule.



New co-op member is greeted by Manager McKinney. Shown above, Mrs. William Jarrell, of near Blewitt Falls, shows her interest in electricity which will provide extra comfort for her family of 17 children.

.. The Carolina Homemaker ..

By MISS YORK KIKER, Home Economist

IT'S PEACHTIME

PEACH MARMALADE

8 pounds soft, ripe peaches

6 pounds white sugar

Peel peaches and remove stones. Put pulp into a preserving kettle; bruise and stir over slow fire with a wooden spoon until soft. Add sugar and continue cooking and stirring till sticky—usually about 20 minutes. Allow to cook and put in jelly glasses.

PEACH MOUSSE

2 cups soft mashed peaches

1/2 cup sugar

1 cup whipping cream

1 teaspoon vanilla

Whip cream, adding sugar, just until it will hold its shape. Fold in peaches and vanilla. Put in freezer tray. Stir several times while freezing.

"PEACHES IN BLOOM"

Take four good size perfect peaches. Scald to remove skins. Carefully cut in half and remove stones. Fill the cavity with chopped nuts. Pin the halves together with toothpicks, and sift 3/4 cup powdered sugar, cream with 3 teaspoons butter, and add 3 teaspoons cream, a few drops at a time. Add enough pink vegetable color paste to give a delicate color to the frosting. Roll the stuffed peaches in this frosting then in grated coconut. Chill and serve in a nest of whipped cream for a dessert, or on lettuce leaf for a salad.

FRUIT SALAD

An attractive fruit salad plate will tempt even the most sluggish of appetites. Contrast of color, flavor, and texture is essential and easy to attain



DEVILED VEGETABLE PLATTER

with all the good fresh, canned, and frozen fruits at hand. Here is a delightful combination:

Arrange orange sections and banana slices in center of chilled plate. Stuff canned apricots with seasoned cottage cheese and radiate from center section. Fill in with fresh whole strawberries and plain or frosted grapes. Melon slices or balls, fresh peaches and berries can also be used. Serve with mayonnaise or French dressing; accompany with an assortment of crackers or thin buttered toast.

Note: To frost grapes, dip freshly washed grapes in granulated sugar.

DEVILED VEGETABLE PLATTER

Fresh vegetables in season can make a most attractive platter as well as a tempting meal.

Place a large head of cauliflower in center of platter; surround with deviled tomato halves. Add colorful whole string beans and sliced carrots. Have a rich cheese sauce for the cauliflower and use a zesty deviled topping for the tomatoes. To make the topping, combine a small can of deviled ham and three tablespoons of cracker meal. Spread on four tomato halves. Place on cookie sheet and broil five to ten minutes.

Take The Jelly Maker's Quiz

It's jelly making time again. Even the best jelly and jam makers need an occasional refresher course. This quiz will help you to get started off right when the cherries, peaches and other fruits are ready for summer jellifying.

Q. What basic equipment is necessary for jelly making?

A. Mixing Bowl
Colander
Large Metal Saucepan (6 qts.)
Small Metal Saucepan for melting paraffin
Standard Measuring Cup
Jelly Glasses and Covers

Utility Tray
Metal Spoon
Wooden Spoon
Fruit Masher
Paring Knife
Jelly Bag
Paraffin
Clock



• FRUIT SALAD, A SUMMER-TIME DISH.

COOL SUMMERTIME PATTERNS

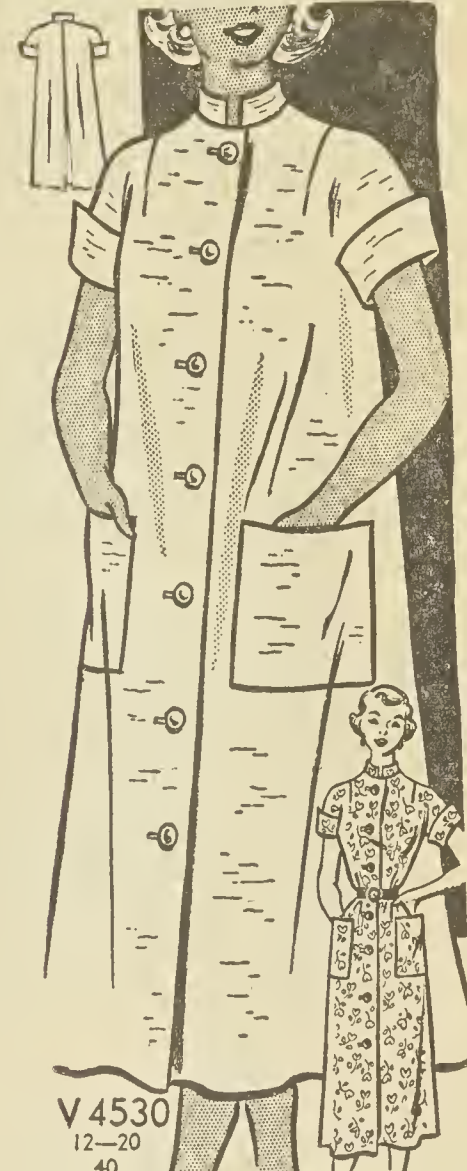
Two Part Pattern



Tie This!



Weekly Sew Thrifty



LOOK! Two main pattern parts! You could easily sew this dress in one day, it has so few seams! A smart and simple summer charmer, with new neckline—a wide V.

Pattern 9097 comes in sizes 12, 14, 16, 18, 20. Size 16 takes $4\frac{1}{4}$ yards 35-inch fabric.

Sew it in a day easily! The wonderful Tie-On Skirt is jiffy-sewing. Perfect for lazy you in lazy summertime, it opens to iron, just wraps and ties or buttons on!

Pattern 4925 in waist sizes: small 24-25; medium 26-28; large 30-32 inches. Medium size takes $3\frac{1}{4}$ yards 35-inch fabric.

TWICE as useful! TWICE as smart! Wear it as a love of a loose coat to slip on over spring outfits. Or it can become a smart summer dress if you wear it belted. Make several, it's easy!

Pattern V4530 comes in sizes 12, 14, 16, 18, 20; 40. Size 16 takes $4\frac{3}{8}$ yards 39-inch fabric.

TAKE THE JELLY MAKERS QUIZ

Q. What are the essentials of jelly and jam making?

A. They are pectin (the jelling substance in fruit) sugar and fruit acid. These ingredients, properly balanced, turn the fruit or fruit juice into jelly or jam. Jelly making is not for the woman who cooks by "instinct," for a jelly or jam recipe is really a scientific development.

Q. How is the right amount of pectin determined when making

jams and jellies?

A. Modern jelly makers use commercial pectin following tested recipes, thus insuring just the right amount of pectin with each fruit.

Q. What causes weeping jelly and is there a cure for it?

A. Separation of a small amount of syrup, known frequently as weeping, is normal and will not hurt jellies and jams unless

yeast and mold start growing on the seepage. To prevent excessive weeping, leave a half-inch space at the top when filling the glasses. Paraffin, cover tightly and store in a cool, dry place.

Q. How much paraffin should be used on each glass?

A. Immediately after the jam or jelly has been poured into the

See JELLY QUIZ on Page 23

Send **THIRTY CENTS** in coins for pattern numbers 4925 and 9097 and **TWENTY-FIVE cents** for pattern number V4530 to the Carolina Farmer, Pattern Department, 232 West 18th St., New York 11, N. Y. Print plainly your **NAME, ADDRESS, SIZE and STYLE NUMBER.**

THE FASHION ACADEMY GOLD MEDAL AWARD AGAIN GOES TO SHELVADOR®!



Model DAC-11

**EASY
TERMS**

● For excellence of design, the Crosley Shelvador—the only refrigerator ever to receive the Fashion Academy Gold Medal Award—has been accorded this coveted honor for the second consecutive year! This beautiful award-winner for 1951 has extra space in the door that lets you keep twice as much food where you want it—in front, in sight, in reach. Many models have “Care-Free” Automatic Defrosting. The complete Shelvador line offers a wide choice of sizes, features, and prices. See the 1951 Shelvador Refrigerators TODAY!

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CROSLEY
gives you the
SHELVADOR

Johnson Cotton Company **DUNN, N. C.**

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CONWAY, S. C.

LAKE CITY, S. C.

"CASH IF YOU HAVE IT — CREDIT IF YOU NEED IT"

DETERMINING AGE OF CATTLE BY TEETH

The age of cattle can be determined approximately by the appearance (development and subsequent wear) of their permanent incisor teeth. Cattle have eight incisor teeth, all in the lower jaw. In the calf at birth two or more of the temporary or first set of incisor teeth are present. With the first month the entire eight incisors have appeared.

As the animal approaches two years of age the center pair of temporary incisor teeth or pinchers is replaced by the permanent pinchers, which at two years attain full development.

At from two-and-onehalf to three years the permanent first intermediates are cut and are usually fully developed at three years.

At from two-and-one-half to three second intermediates or laterals are cut. They are on a level with the first intermediates and begin to wear at four years.

PEANUTS

Continued from Page 11

named appropriately "Shady Rest Farm." The sealed cans are retailed the year around, of course, but Mrs. Eure says the best time for the bagged goobers is from March through November. She and her husband raise all their own top-grade peanuts and have an ample acreage allotment.

Mrs. Eure's peanut process is a secret. She uses her own electric range, away from curious eyes, in preparing the nuts and she finds a half-day operations schedule ample for her production requirements. She has been approached by others wanting to share in her business on a commercial basis. Such appeals have been forthwith turned down by Mrs. Eure who, due to keen vision and foresight, continues to operate her handy little business alone, and likes it.

Free for Asthma

If you suffer with attacks of Asthma and choke and gasp for breath, if restful sleep is difficult because of the struggle to breathe, don't fail to send at once to the Frontier Asthma Company for a FREE trial of the FRONTIER ASTHMA MEDICINE, a preparation for temporary symptomatic relief of paroxysms of Bronchial Asthma. No matter where you live or whether you have faith in any medicine under the sun, send today for this free trial. It will cost you nothing. FRONTIER ASTHMA CO. 136-J FRONTIER BLDG. 462 NIAGARA ST. BUFFALO 1, N. Y.

Power Lobby Swings The Axe



NOTE—\$374,000 of the funds slashed by the House has been replaced by a Senate committee—a smashing defeat for the power trust.

STOP DISEASE BREEDING FLIES

AND MOSQUITOES ALL SEASON
WITH JUST ONE APPLICATION OF

FLI-PEL THE NEW INVISIBLE BARRIER
THAT GUARANTEES RESULTS

AMAZINGLY EFFECTIVE IN USE

You must see FLI-PEL work to realize how amazingly effective it is! Brush it on, or spray it on and your troubles with flies and mosquitoes just disappear. FLI-PEL is transparent and invisible—harmless to humans and pets, yet the invisible residual FLI-PEL deposit lasts for months. One application on screens, doorways, light fixtures, etc. literally banishes pesky insects all season.

ONE APPLICATION LASTS ALL SEASON

FLI-PEL is stainless, odorless, harmless! Spray your home, barn, cattle, fishing clothes, summer cottage, nursery. Use it indoors or out—wherever disease breeding flies and mosquitoes are a problem.

BUY ON MONEY-BACK GUARANTEE

FLI-PEL comes to you with a money-back guarantee—your money back if it fails. Enough FLI-PEL to fly and mosquito-proof your six room home or barn all season for only

\$2.98

UNITED ENTERPRISES

531 W. Webster Avenue Chicago 14, Illinois

Flies are known to carry and transmit dangerous diseases such as dysentery and typhoid. They are suspected of transmitting the dreaded polio virus. Now, with just one application of FLI-PEL, you can eliminate this hazard all season. Your money back if FLI-PEL fails. Don't delay—protect yourself, your family and your livestock now!

HANDY MAIL ORDER COUPON

UNITED ENTERPRISES, Dept. FCA

531 W. Webster Ave., Chicago 14, Ill.

Send FLI-PEL on your money-back guarantee to banish flies and mosquitoes all season.

☐ I enclose \$2.98. Send postpaid.

☐ Send C.O.D. I'll pay \$2.98 plus C.O.D. costs.

NAME.....

ADDRESS.....

CITY.....ZONE.....STATE.....

CO-OPS IN ACTION

BEAUTY CONTESTANTS



ALENE CARTNER
Davie Electric Membership Corp.



EMILY SUE THOMAS
Pee Dee Electric Membership Corp.



MILLIE GREY HILTON
Davidson Electric Membership Corp.

A new feature has been added to the annual meeting program of your co-operative. A beauty Contest to find the most beautiful girl on the REA

lines in North Carolina. Many wonderful things are in store for the winner.

On these pages are pictures of some of the contestants. As anyone can see it will be a close race for the title of Miss North Carolina REA. Simple rules have been adopted and will be followed by all co-ops in their search for a local beauty queen. Just in case our readers are not familiar with these rules, here they are:

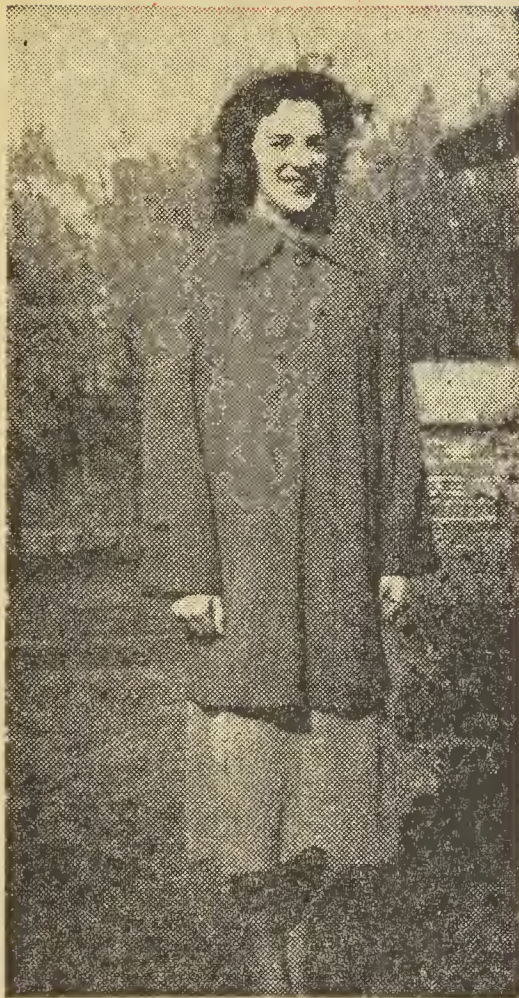
1. All contestants must be single and her family must be members of an REA co-op.

2. Contestants must be 16 years old but not older than 22 years of age.

All judging will be based on a point system designed to be fair to all. The young lady who receives the most points will be the co-op winner and will hold the title of Miss REA for her local co-op. Winners of local co-op contests will compete this fall at a meeting of the North Carolina Rural Electric Cooperative Association for the title of Miss North Carolina REA. When Miss North Carolina REA is selected she will immediately begin to make plans for an all expense trip to Chicago next spring to compete with winners from other states for the title of Miss REA of U.S.A.



JAMIE RUTH JONES
Davie Electric Membership Corp.



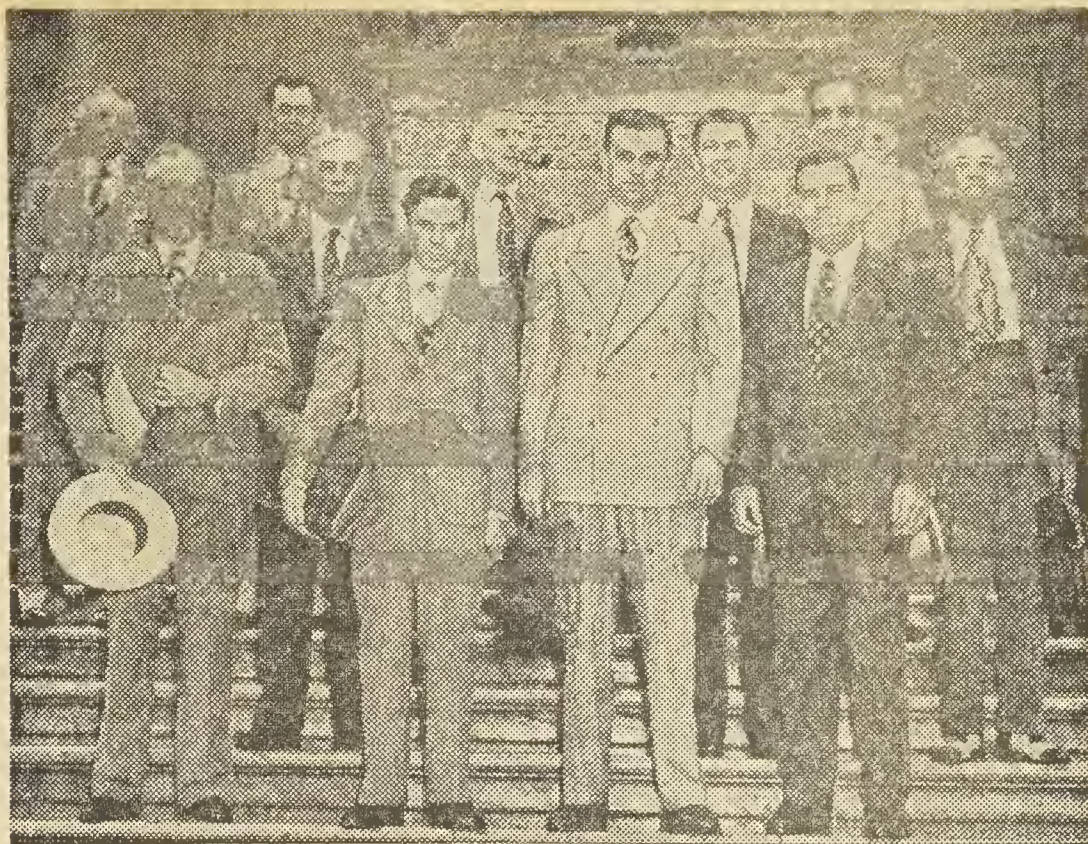
EMMA LEE THOMAS
Davidson Elec. Membership Corp.

Directors Elected And Beauty Queen Selected By Pitt-Greene E. M. C.

At the annual meeting of the Pitt-Greene Electric Membership Cooperation held in the Farmville High School gymnasium recently, Stencil L. Dilda, Route 2, Fountain, was elected president of the directors.

Other officers elected were J. C. Parker, Route 1, Farmville, vice-president, and Seth Barrow, Route 1, Farmville, secretary-treasurer. Directors named were O. L. Erwin, Route 2, Farmville; Sam V. Tugwell, Route 1, Farmville; George L. Mewborn, Route 3, Snow Hill, and E. E. Nethercutt, Route 1, Snow Hill.

Following the business meeting, a program of music and comedy was given by the Bar X Boys with a beauty contest following at which time Joan Atkinson of Route 1, Greenville, was selected as "Miss Pitt and Greene." Miss Atkinson was crowned and presented with a dozen red roses. She is now eligible for the States REA contest which is to be held in Raleigh. She is the daughter of Mr. and Mrs. Ben Atkinson, Route 1, Greenville.



THESE MEN ARE FIGHTING YOUR BATTLE

It takes more than heated words to carry electricity from the plant or dam to thousands of farms and homes. It takes transmission lines and a heap of cash to build them with. The Southeastern Power Administration recently, suffered a back-breaking cut in construction funds necessary to bring you and other members of your co-op cheaper electricity. Armed with facts and figures presented to the Senate Interior Subcommittee on Appropriations L. P. Beverage (second from left, front row) manager of the Four County EMC and other electric co-op officials met in Washington last month in an effort to have SEPA's original budget re-adopted. The power agency needs that money for lines to transmit electricity to you and your neighbors. Beverage is noted in North Carolina for his tireless work on behalf of his co-op and its members. This photo was made on the steps of the Capitol Building.

WALTER FULLER TO HEAD 'PHONE PROGRAM

Gwyn B. Price, chairman of the N. C. Rural Electrification Author-



WALTER E. FULLER

ity's board has announced the appointment of Walter E. Fuller to the post of administrative assistant in charge of the Telephone program. Fuller comes to his new job directly from the Department of Conservation & Development where he was administrative assistant to Director George Ross.

Fuller has a farm background and understands the needs of rural people. This knowledge, and the desire to be of service to the farm people of North Carolina prompted him to leave a better paying job with the C & D department to accept the position with the N. C. REA. His appointment is in effect "a shot in the arm" for the rural telephone program in the state.

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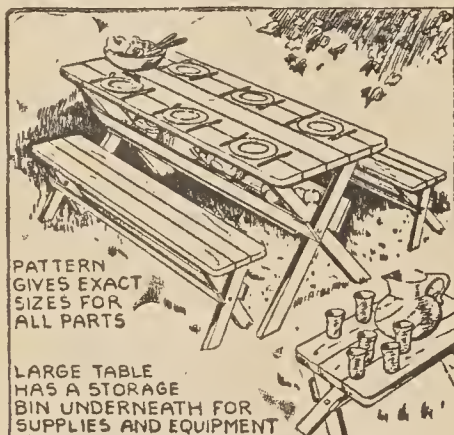
FARM and HOME WORKSHOP

Easy To Follow Patterns For The Handyman



Distinctive Mail Boxes

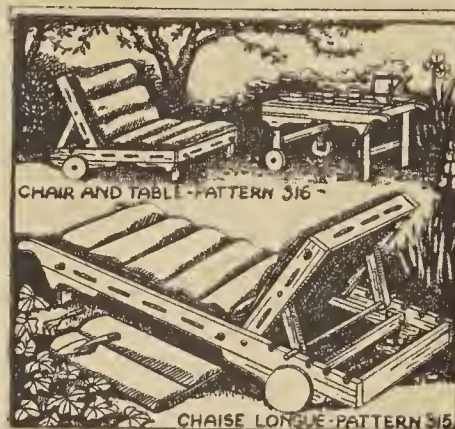
Here are two unusual mail boxes. The cut-out oxen and wheels turn a metal post box into a realistic covered wagon. Also on the same pattern is the bird design cut out of plywood for beside the front door. Actual-size cutting guides, and directions. Pattern 238; price 25 cents.



Barbecue Table and Benches

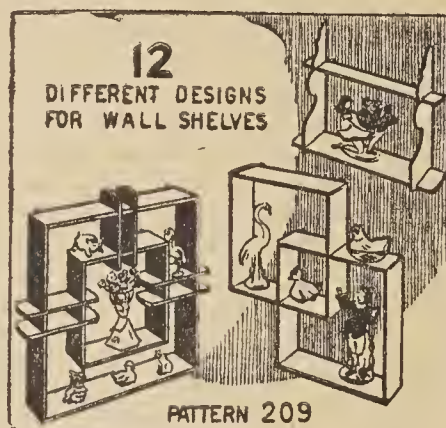
Just what you need for those picnics at home. Notice the end benches which do double duty as tables. The pattern lists all materials needed and step-by-step directions which will save time and give you perfect results. All the tools you need is a hammer and a saw. Price of pattern No. 279 is 25c.

Send your order for these patterns to—The Carolina Farmer, P. O. Box 2854, Raleigh, N. C.



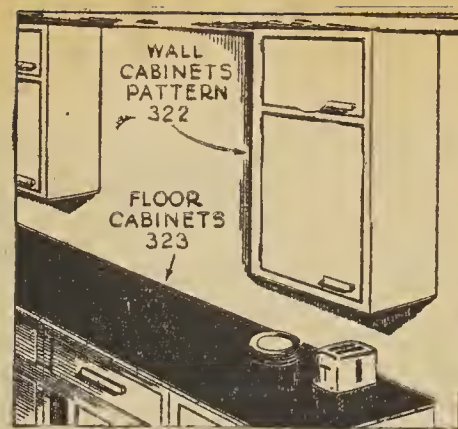
Lawn Furniture on Wheels

This chaise and chair have rope foundations for the pads, and may be wheeled from place to place. Two patterns are needed for making the set. No. 315 for the chaise and 316 for the table and chair. Patterns are 25c each.



Wall Shelves For Every Room

Hanging shelves may be as pretty as a picture for an important wall space. With pattern 209 a full dozen of different types, sizes and shapes may be made. The interlocking joints are cut from tracing designs. The assembling is quick and easy. Price of pattern is 25c.



Build Efficient Cabinets

These easy-to-build kitchen cabinets have many special features such as graduated shelves for dishes of different sizes, tray slot and partitioned drawers. Build them yourself or save hours of a carpenter's time with patterns 322 and 323. Price 25c each.

is a problem the farmer can do something about right now. The only investment is a few hours thought and putting into practice the results. Thousands of hours can be saved this year if farmers will do it.

Every farmer should carefully study his farmstead and decide whether his buildings should be torn down, redesigned, or relocated to make a more efficient farmstead. And he must also plan how and when each change can be made. Farmers who are thinking about building should plan carefully before venturing into any ambitious building program.

Advance estimates indicated that farmers would invest over a billion dollars in new construction and repairs this year. The shortages of materials may curtail some of this. However, it does not alter the need for good buildings and good farmstead planning.

Milk From Clean Barn Refuses To Sour

A clean barn and milk that stays fresh longer go hand in hand, a Henderson farmer has discovered.

Dairy farmer J. H. Brodie found that after he began washing manure out of his barn with a hose his milk achieved such high quality that it stayed fresh for three weeks in an ordinary refrigerator. While a count of 10,000 bacteria per cubic centimeter of milk is considered excellent, Brodie's milk has a count of 3,000 and is recommended by doctors for youngsters with diarrhea.

Word of Brodie's almost sour-proof

(Continued on Next Page)

FARMSTEADS

(Continued from Page 9)

and regrouping smaller buildings. Other buildings can be situated properly when they are constructed in the future. Again this cannot be properly done unless you know how you want your farmstead of the future arranged.

WATCH THE CHORE ROUTE

One part of the farmstead planning that should receive more careful consideration is the chore route. Even

though the farmer may not be able to build this year, he can examine his present chore route by tracing his daily travel on the farmstead sketch. Then ask these questions: Is every trip necessary? Can I use my tractor, elevator, or equipment to cut down on carrying? Can I feed once a day instead of twice? Can I combine trips to do two jobs at once? Chores become routine and unless the chore routes are checked once in awhile valuable time can be wasted. This

CLEAN BARN

(Continued from Page 22)

milk has spread. Today he has a waiting list of customers.

A newly invented liquid manure spreader is the device which makes possible the constant hosing out of Brodie's barn and the resultant clean milk. Immediately after the cows have been milked they are moved outside and all dung and liquid waste is flushed into a large outdoor concrete tank. No bedding is used, since the cattle are in the barn for only a few hours. The spreader, which looks like a tank car and is filled from the manure tank by a built-in pump, holds 500 gallons and spreads a 10 foot swath. Because of a specially designed exit valve, the machine seldom clogs.

Brodie emphasizes that the effect of the liquid manure on his pastures must not be overlooked. He points out that the liquid portion of the manure contains a large portion of the plant nutrients, and much of these are lost when manure is handled the ordinary way.

Visitors to the Brodie farm can see the point at which the liquid manuring stopped and ordinary pasture begins. The liquid manured section is greener and taller. "That's plenty of proof that it's doing good," says Brodie.

According to Brodie and verified by a committee sent by the state of North Carolina, the new barn washing methods and excellent pastures have eliminated rotfoot disease, which has bothered farms throughout the South.

JELLY QUIZ

Continued from Page 17

glasses, cover with a thin coat of paraffin—about $\frac{1}{8}$ inch thick—one tablespoon of melted paraffin will give the desired thickness and prevent weeping.

Q. Can a recipe be doubled?

A. We don't recommend it. Follow the recipe exactly, measure every ingredient with a standard measuring cup, and time the boiling to the minute.

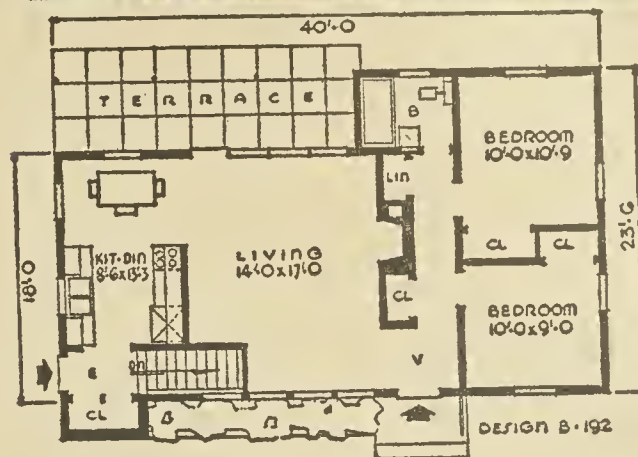
Q. What is meant by a full, rolling boil?

A. A full, high, tumbling boil which cannot be stirred down.

Q. Is it permissible to squeeze the jellybag?

A. Yes. Squeezing the pulp will increase the quantity and flavor of the jelly. If the bag is not squeezed the jelly will be clearer.

CAROLINA FARMER HOUSE OF THE MONTH



Windows in the through living room look to the street, and to a covered terrace in the rear. Living room opens in corner dinette.

There is a full basement, fireplace in the living room, coat closets, linen cabinet and wardrobes in the bedroom. A toilet in the basement reduces the traffic through the living room.

The exterior finish of the Brockton calls for a pitch and gravel roof with a vertical siding with a touch of color in the brick of the entry closet and planting area.

The dimensions of this small-sized house are estimated at 40 feet by 23 feet and six inches. The floor area is totalled at 832 square feet, while the cubage is estimated at 14,303 cubic feet.

For further information about THE BROCKTON, write the Small House Planning Bureau, St. Cloud, Minn.

THE BROCKTON features open planning which means fewer doors, less partition work and a feeling of spaciousness not usually found in a small house. Costs are also cut through the use of a flat roof which combines roof and ceiling joists in one and reduces cubical contents.

How Steel Buildings Simplify Farmstead Planning

Farmers who are planning future farmsteads will be interested in knowing the facts about steel farm buildings—why they are the ideal buildings for the modern farmstead.

Fire resistance of steel buildings not only gives farmers greater protection, but also makes laying out of efficient farmsteads easier. With steel buildings the farmer no longer needs to leave 50 to 100 feet between buildings for fire protection. This means buildings can be placed close together, cutting down chore routes, decreasing the area required for buildings, and making a more compact, efficient farm building unit.

Guesswork is taken out of building design with prefabricated steel buildings. The strength of individual parts is easily determined, and competent engineers have designed the buildings so that each part has the

proper strength. The farmer is sure to have a sound, durable building.

Steel buildings are long lasting; yet at the same time they are adaptable to changing conditions. They can be extended or moved economically without loss of material. Post-free interiors provide the greatest usable space and makes it possible to redesign the interior arrangement for new uses.

Livestock and crops are completely protected in steel buildings. They are weathertight against wind, rain, and drafts. Rats and other rodents cannot get into steel buildings to destroy grain and feeds.

Erection is no problem with factory built steel buildings. They can be assembled quickly with unskilled labor. There is not waste, because all parts are made to exact specifications and fit together perfectly.

HOW TO USE 2,4-D SAFELY IN FARM WEED CONTROL

Weed control has been revolutionized by 2,4-D. In the short period since 1945 it has become the most widely used chemical weed killer in the United States. Commercial production in 1949 was estimated at approximately 28,000,000 pounds—three times that of 1947. An understanding of this new substance is essential to effective and safe use.

Most of the broadleaf annual plants—both crops and weeds—are killed by 2,4-D. Many are highly sensitive to 2,4-D and kill easily. Others are only moderately sensitive, but can be killed. Biennial and perennial weeds vary widely in their reaction to 2,4-D. A few perennials, including dandelion and plantain, can be killed with one treatment. Curly dock and other weeds with taproots are harder to kill. 2,4-D usually kills the foliage of broadleaf perennials that have creeping rootstocks, such as bindweed and Canada thistle. Repeated spraying of the new growth may be needed to kill all the roots and rootstocks.

CROP PLANTS

The various crop plants react differently to 2,4-D, just as do weeds. Perennial grasses are generally resistant, and broadleaf plants are usually susceptible. Garden vegetables and flowers, almost without exception, are highly sensitive, and no plant is entirely immune. Even crop plants considered tolerant, especially young plants, may be injured severely by an overdose. Since most perennial grasses generally are highly resistant and white clover (including Ladino) more or less tolerant, weeds can be killed or controlled with 2,4-D spray without injury to white or Ladino clover-grass pastures and lawns. The use of 2,4-D for weed control in small grains, corn, and other crops of the grass family has been very successful.

The effect of 2,4-D on crop plants is influenced by the type used, the stage and vigor of plant growth, and differences in susceptibility within the species. Seedlings of some plants can be killed easily but as they approach maturity, killing is more difficult. Different corn hybrids have been found to vary from susceptible to resistant. Flax is generally sensitive, but the range of reaction between commercial varieties is wide.

WATCH TOLERANCE

The dosage for spraying weeds in

growing crops depends on what the crops will tolerate. Weeds can sometimes be controlled satisfactorily without being killed. Those that are stunted offer less competition to crop plants for moisture and food.

Pre-emergence weed control is one of the most promising developments since the discovery of 2,4-D. By spraying the soil before the weeds break through the ground many can be killed that are not controlled by later applications. This practice also reduces heavy weed infestations, in the event early cultivation is not possible.

Some of the facts you should know about 2,4-D before using it are:

Do not dust from an airplane. 2,4-D dusted from an airplane may drift for miles, killing or damaging susceptible crops such as vegetables, flowers, cotton, etc., on your or your neighbor's farm.

Follow directions closely. 2,4-D is not a cure-all. Study the label on the container. Measure accurately — an overdose may seriously injure even tolerant crops. Check equipment carefully for leaks. Proper nozzles, accurately adjusted, are the key to safe, thorough spraying.

Apply at the right time. 2,4-D is most effective when plants are in active growth. Safeguard sensitive plants and do not apply dilute spray solutions when the vegetation is wet

with rain or dew. Avoid windy days for dusting and spraying.

Use separate sprayer for 2,4-D. Minute quantities of 2,4-D left in a sprayer to be used later for insecticides or fungicides will damage sensitive plants. Clean the sprayer thoroughly with ammonia or activated charcoal after using, or much better still, use a separate sprayer.

Electric Motor Is Result of Error

The electric motor — that hired hand which can pump water all day long for a nickel—is the result of an error.

Back in 1873, Z. T. Gramme was directing an exhibit of his invention, the first practical direct current generator or dynamo, when a confused workman discovered the modern electric motor.

It so happened that several Gramme generators had been belted to the driving shaft of a steam engine. The workman, in assembling the last generator, connected two wires from an operating generator to the binding posts of the one on which he was working. The armature of that generator, thus accidentally powered, promptly began to spin. It functioned as a motor with current from the generator to which it was connected.

It was the first transfer of mechanical energy through the agency of electricity and the beginning of the electric power industry as it is known today.

THIN LINE EXISTS BETWEEN TWO EVILS

In times like these there are two problems we all face. There is the danger of the Communist aggression which must be met. At the same time there is the danger of losing something of our American way in the placement of controls which must be exercised.

There is a job which we have to do. At the same time we have to be careful not to do it in a manner which would bring results almost as bad as the appeasement of the aggression. With these two terrible alternatives, we must find a solution.

There is a considerable analogy between this situation and the one the farmer faced a decade and a half ago. He needed electricity if he was going to be able to prosper as a farmer and enjoy the comforts of life that go along with prosperity. Privately-owned electric companies would not do the job, so another way had to be found. There was another possible answer: let the government build electric lines and give rural areas electric service in much the same way mail service is given.

But that second alternative meant government ownership and control. A middle road answer was found in the REA pattern. Through the REA the government would lend money to organizations of farmers who wanted to serve themselves with electricity. This not only has resulted in getting the job done, it has fostered the freedom of the farmer as an individual. We can only hope that our solution in the present emergency steers as clear of the dangers on either side.

New! YET BUDGET PRICED



**New
6.10
CU. FT.**

1951

Hotpoint

Refrigerator

**17-lb. Speed Freezer
Genuine Hotpoint Quality**

• You'll have to see this new low priced Hotpoint to appreciate what a great quality value it is . . . the kind of top-quality you expect from Hotpoint. Here's the same all-steel construction found in de luxe models, the same beautiful Calgloss enamel finish that won't chip, crack, or flake. Don't wait—see it today!

- Large glass chiller tray
- Durable, corrosion-resisting shelves
- Automatic interior light
- Safety Stop checks door swing
- Automatic door latch
- 5-Year Protection Plan on famous Thriftmaster Unit

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Z-2

IN MEMORIAM

EDITOR'S NOTE:

On June 30, 1951, an airplane crash took the lives of six REA officials. As a memorial to these men we devote our editorial page this month. REA Administrator Claude R. Wickard furnished these obituaries.

REA has suffered the greatest loss in its history. Six of our most valuable employees died while enroute by air in the course of duty and service to the program. Their untimely deaths are a great shock and a great loss to REA people everywhere and particularly to me personally.

DEPUTY ADMINISTRATOR GEORGE W. HAGGARD was my friend and the friend and respected associate of all who worked with him. He came to us in January 1948 as Associate Administrator after long service to rural people in his native Texas. More than any other single

ARTHUR W. GERTH

Chief, A. & L. Division, REA.



person, Mr. Haggard was responsible for the inauguration and sound development of our telephone program which was so close to his heart.

ARTHUR W. GERTH, Chief of our Applications and Loans Division, was a devoted co-worker, who toiled unceasingly in the cause to which he gave his life. I leaned heavily upon him in meeting the challenge of bringing REA's important services to everybody in rural America. One of our pioneers, he joined the staff

GEORGE W. HAGGARD

Deputy Administrator, REA.

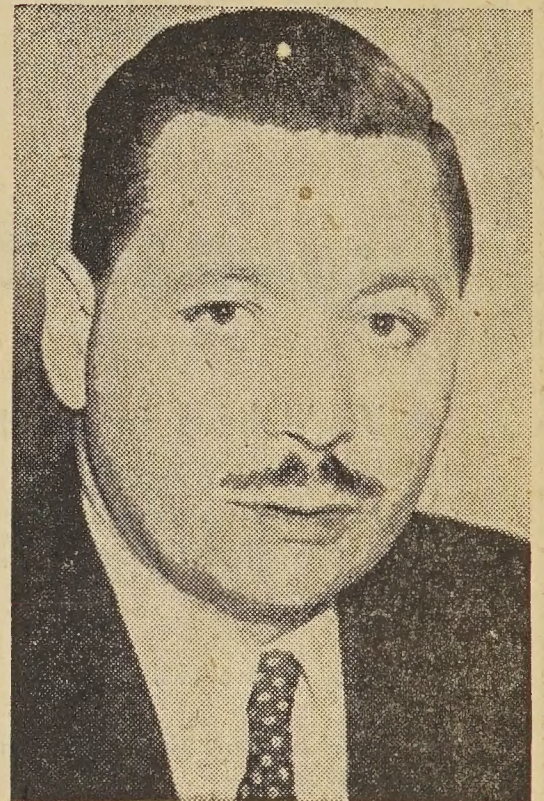


in 1937 and assumed his present position in 1943. George Haggard, in his last talk to our staff in Salt Lake City, told our people: "There is no one more dedicated to the ideal of getting service to every rural home in America than Art Gerth."

I. THOMAS McKILLOP, Chief of our Management Division, was a young man but wise and able beyond his years. He had already achieved recognition as a scientist in the field of management when he joined REA in 1946. He took over direction of the Management Division in February 1949. In the same talk in Salt Lake City, Mr. Haggard said: "I am glad that we have a man like Tom McKillop at the head of the Management Division—one who not only understands the science of management but is thoroughly familiar with and sympathetic to the cooperative idea." I can only add that we

I. THOMAS McKILLOP

Chief, Management Div., REA.



Tragedy Opened Our Eyes

by Mrs. F. C. Hagaman,
Vilas, N. C.

We often do not know how to appreciate and value the good and helpful things in life until we have them taken away from us. We were proud of our electricity and the help it gave us in the home. Our washing machine, iron, refrigerator, radio, etc., were a great help, but we never knew how much we were taking them for granted until one night we were all away from home for awhile. When we returned, what had been our home was a pile of coals. We moved into a house that did not have electricity. We lighted up our oil lamps and we could hardly distinguish one person from the other after being used to electric lights.

After trying to wash by hand, iron with a flat iron and do without our refrigerator and radio, it was then we began to realize how much help and enjoyment our electricity had been to us. Now, thanks to our good neighbors and friends we are in our new home with hope renewed and good lights again. We hope to get our appliances back one by one as we can afford them. I am sure we will never take our electricity for granted again. We will appreciate it more than we did ever before.

have all lost a loyal friend and staunch supporter of REA's objectives and ideals.

STUART E. McCABE, Assistant Head, Region 10, A & L, **T. L. EVANS**, Field Engineer, and **ROBERT E. BEEGHLY**, who worked on the rural telephone program, were not as well known in North Carolina as the others but are nevertheless a great loss to all of us.

\$329⁹⁵*

MAKES THIS NEW

KELVINATOR¹²

the **Lowest Priced** *Big Capacity* **Refrigerator**
among 9 best-known makes!



**GET THIS
EXTRA BUSHEL
OF COLD SPACE!**

Kelvinator's full-width Super Crisper gives you moist-cold storage for more than a bushel of fruits and vegetables. Also keeps bottled goods, canned juices chilled, ready to serve. It's the equivalent of 2 shelves of cold space!

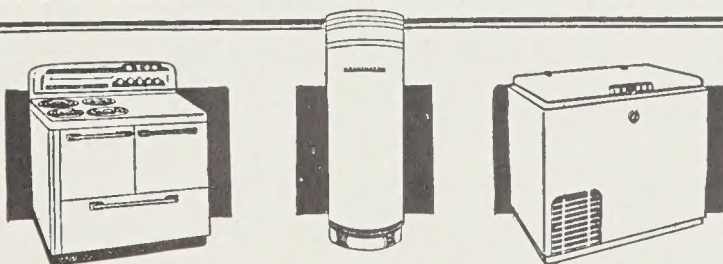
**Suggested price is for delivery in your kitchen with Five-Year Protection Plan. State and local taxes extra. Price and specifications subject to change without notice.*

HERE'S today's best refrigerator value—for your farm kitchen! Of the 9 best-known electric refrigerators . . . this new Kelvinator "12" is priced *lower* than any other model of more than 11 cubic feet capacity! You get full 12 cu. ft. of cold space . . . unsurpassed Kelvinator performance . . . with important features like these:

- **Frozen Food Chest that's big!** Room for 38 lbs. of meat, fish, game, ice cubes, bulk ice cream!
- **19 sq. ft. of shelf area.** Not 16 or 17 . . . you get 19! Adjustable shelf space . . . it's easy to store a big turkey, berry-boxes, melons . . . even a cream can!
- **Handtray with cover.** 8 qts. of extra moist-cold storage in addition to the big Super-Crisper Drawer! Made of clear Polystyrene . . . usable on any shelf!
- **Cold-clear-to-the-floor.** Today's most copied refrigerator design—cold not just "part way" *but all the way*. Pioneered by Kelvinator.
- **Strato-Blue trim.** Beautiful new color accent for your farm kitchen!
- **Polarsphere dependability.** Kelvinator's world-famous cold-maker, sealed in steel, never needs oiling. Time-proved in millions of homes!
- **Butter Chest.** Only Kelvinator brings you this handy, removable, plug-in type. Dial spreading softness! (Accessory at slight extra cost.)

See this ideal farm refrigerator . . . priced to give you top value at your local Kelvinator dealer's!

Look to **KELVINATOR** for all that's New in farm appliances!



See the beautiful new Kelvinator "Automatic Cook" Electric Range with new heat-up speed that gets your cooking off to a fast start. See the new Kelvinator Farm Freezers with cold you can trust for finest food protection. And choose a Kelvinator Electric Water Heater to be sure of a constant, work-free, automatic hot water supply!

Get more—Get
Kelvinator

Division of Nash-Kelvinator Corp., Detroit 32, Michigan

Oldest Maker of Electric Refrigerators for the Home!

A CONTEST FOR NORTH CAROLINIANS* ONLY

\$3000.00 in CASH Prizes

NO PUZZLES TO SOLVE! NOTHING TO BUY! NO BOX TOPS TO SEND IN!

YOU CAN BE
ONE OF THE

30 WINNERS



**General Electric
Refrigerator**

BIG New 10.8 cu. ft. Refrigerator, 25% more food storage space than older models . . . with across-the-top freezer, butter conditioner, aluminum shelves, new redi-cube ice trays. It's the preferred refrigerator!

Model LO-10
329.95
Other G-E Refrigerators
209.95 to 479.95

Here's a simple and easy contest—the chance of a lifetime to win \$1000.00 in cash! Your chances to win are greater because it's exclusively for North Carolinians.*

1st PRIZE \$1000.00 IN CASH!

2nd Prize \$500 in Cash! 3rd Prize \$250 in Cash!

5 Prizes of \$100 in Cash! 8 Prizes of \$50 in Cash!

14 Prizes of \$25 in Cash! 30 Cash Prizes in All!

Just write 25 words (or less) on official entry blank completing this statement: "I would like to own a General Electric refrigerator for G-E Food Freezer, or G-E Automatic Dishwasher, or G-E Disposal, or G-E Wringer, or G-E Ironer, or G-E Automatic Washer, or G-E Dryer, or G-E Water Heater, or G-E Range) because . . ."

This is a different kind of contest. No puzzles to solve . . . nothing to buy . . . no box tops to send in . . . and it's not a national contest. This is a contest that is confined to residents of North Carolina* This is all you have to do. Go to your G-E dealer . . . he has your entry blank waiting for you now . . . he will explain the new features of the new G-E appliances. Select the one appliance you like most—and write 25 words or less on why you like

this particular G-E aid to modern living. It's as simple as that . . . all that is necessary is for you to tell us, in your own words, why you like a particular appliance. This contest closes August 31, 1951, midnight, and your entry, to be eligible, must be postmarked prior to 12 o'clock midnight on August 31. You may submit as many entries as you wish, but it is important to get into this contest now. So schedule a trip to your G-E dealer right away. Do not pass up this opportunity for a rich cash award.

GET YOUR FREE ENTRY BLANK FROM YOUR AUTHORIZED G-E DEALER NOW!

LOOK at the NEW G-E APPLIANCES
See all the NEW 1951 Features

write about any 1 Appliance in 25 words or less

Nothing to buy! Entry blank free!
Get your entry now!
Contest closes August 31, 1951.

And You May Win!



G-E AUTOMATIC DISHWASHER

Convenient, time-saving! Dishes are twice-rinsed, air-dried . . . lint-free and shining all automatically!

239.95 to 299.95



G-E ELECTRIC RANGE

Wonderful meals, super-fast cooking, sparkling cleanliness, Hi-speed Calrod heat units . . . that's G-E speed-cooking!

169.95 to 449.95



G-E WRINGER WASHER

The new Activator® washing action that gives clothes individual attention! Adjustable wringer saves work!

129.95 to 179.95



G-E AUTOMATIC WASHER

Deluxe automatic washing features at a remarkably low price! One-control washing and rinsing . . . extra safety for your clothes.

329.95



G-E DISPOSAL

Quickest, cleanest way to dispose of food waste! Built for long, dependable service!

124.95



G-E AUTOMATIC CLOTHES DRYER

Dries clothes safely, thoroughly, dependably . . . leaves clothes "Sunshine Fresh!"

249.95



G-E AUTOMATIC IRONER

Now . . . comfortable "sit-down" ironing! Gives professional looking results for low, low cost!

\$9.95 to 229.75



G-E FOOD FREEZER

Enjoy better living . . . cut food bills . . . buy in quantity . . . freeze your own garden vegetables!

349.95 to 419.95



G-E AUTOMATIC WATER HEATER

Your family can have all the hot water it needs . . . at any time, and it's all automatic!

116.95 to 199.95

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OF LENOIR, INC.

Electrical Contractors 200 West Harper Ave.

Phone 1500

Authorized Dealer

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JUDGING!

This contest will be judged by THE REUBEN H. DONNELLEY CORP. of New York—the world's largest contest judging organization.

GENERAL ELECTRIC
REFRIGERATORS

***Contest Open Only To
North Carolinians**

with exception of these counties:

Northampton	Chowan
Bertie	Perquimans
Hertford	Camden
Pasquotank	Currituck
Gates	Caswell